

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions of claims in the application.

1. (Previously presented): A polypeptide or salts thereof consisting of an amino acid sequence represented by SEQ ID NO:1 or SEQ ID NO:2, and forming an intermolecular disulfide bond between two of the cysteines contained in SEQ ID NO:1 or SEQ ID NO:2.

2. (Previously presented): A polypeptide or salts thereof comprising an amino acid sequence represented by SEQ ID NO:1 or SEQ ID NO:2 not consisting of an amino acid sequence represented by SEQ ID NO:4, and forming an intermolecular disulfide bond between two of the cysteines contained in the amino acid sequence represented by SEQ ID NO:1 or SEQ ID NO:2.

3. (Previously presented): A polypeptide or salts thereof consisting of an amino acid sequence represented by SEQ ID NO:1 or SEQ ID NO:2 of which one or several of the amino acids thereof have been deleted, substituted, inserted or added, forming an intermolecular disulfide bond and moreover showing mechano-sensitive channel inhibiting activity.

4. (Previously presented): A polypeptide or salts thereof described in the above claim 3 as consisting of an amino acid sequence represented by SEQ ID NO:1 or SEQ ID NO:2 of which one or several of the amino acids thereof have been deleted, substituted, inserted or added, of which the said amino acid sequence is an amino acid sequence represented by SEQ ID NO:16 or SEQ ID NO:17.

5. (Previously presented): A polypeptide or salts thereof consisting of an amino acid sequence represented by SEQ ID NO:16 or SEQ ID NO:17.

6. (Currently amended): A polynucleotide comprising the polynucleotide that encodes the polypeptide described in claim 1 as consisting of an amino acid sequence represented by SEQ ID NO:1 or SEQ ID NO:2 and forming an intermolecular disulfide bond between two of the cysteines contained in SEQ ID NO:1 or SEQ ID NO:2, of which the said polypeptide comprises the amino

acid sequence represented by SEQ ID NO:2, encodes ~~[[the]] a polypeptide described in claim 3~~ consisting of an amino acid sequence represented by SEQ ID NO:1 or SEQ ID NO:2 of which one or several of the amino acids thereof have been deleted, substituted, inserted or added, forming an intermolecular disulfide bond and moreover showing mechano-sensitive channel inhibiting activity, or encodes ~~[[the]] a polypeptide described in claim 5~~ consisting of an amino acid sequence represented by SEQ ID NO:16 or SEQ ID NO:17.

7. (Original): A recombinant vector comprising the polynucleotide described in claim 6.
8. (Original): A transformant transformed with the recombinant vector described in claim 7.
9. (Currently amended): A mechano-sensitive channel inhibitor comprising one or more of the polypeptides or salts thereof described in one of ~~[[the]] claims from claim 1 to claim 5~~ 1 to 5.
10. (Currently amended): A remedy of atrial fibrillation comprising one or more of the polypeptides or salts thereof described in one of ~~[[the]] claims from claim 1 to claim 5~~ 1 to 5.